

The catalogue describes some sixty applications of asbestos cement to hangars and aircraft factories, these including such varied uses as fire-resisting wall, ceiling and floor sheeting, drainage pipes, roof tiles, and oak grained and other decorative panels for interior decoration. Many well-known aerodrome buildings will be recognised in the illustrations.

Carbon and Alloy Steels

"CARBON and Alloy Steels" is the title of the latest catalogue issued by Thos. Firth and John Brown, Ltd., of Sheffield. It contains a great deal of useful data.

Stainless Steel Roller Bearings

BRITISH TIMKEN, LTD., have received from the Dunlop Rubber Company, Ltd., an order for a supply of roller bearings produced from stainless steel for use in the landing wheels of amphibious aeroplanes.

Larger Premises

JOHN HALL & SONS have moved their London premises, both office and works, to 1-5, King's Road, St. Pancras, London, N.W.1. The new buildings enable larger stocks of their "Brolac" and "Murac" paint to be carried.

Furnaces on Show

BY arrangement with the Manchester Corporation Electrical Department, a demonstration of Wild-Barfield electrical furnaces will be given from October 27 until November 6 at the Demonstration Workshop, Dickinson Street, Manchester.

In New Harness

M R. E. HILL, who was for many years in charge of the technical side of the Rotax Aviation Department, has recently joined the staff of Technical Improvements, Ltd., and will be in charge of their works at Wansey Street, London, S.E.17, where the T.I. screened ignition harness is being manufactured.

At First Hand

IN view of the announcement of an intended Humber-Hillman aircraft factory, it is interesting to learn that Mr. Harold Heath, general manager of Humber, Ltd., and the Hillman Motor Car Co., Ltd., left yesterday on a tour of America. He intends to visit the factories of the leading manufacturers of motor vehicles, aircraft, and machine tools for the purpose of making a full investigation into the latest methods of production.

A New Grinder

A NEW "Enox" electric grinder has recently been produced by Fry's (London) Ltd., 24-25, King Street, London, E.1. Fitted with $\frac{1}{4}$ h.p. single-phase A.C. motor, it runs at a speed of 2,800 r.p.m. The overall spindle length is 13 in. and the height of the machine is 9 $\frac{1}{4}$ in. Necessary accessories to convert it to a buffing machine can be supplied if required. As a bench type, the grinder costs £7 8s. 6d., or £10 on stand.

Aviation Trust Distribution

F.T.M. Ltd., managers of Aviation and Universal Investment Trust, announce a first half-yearly distribution amounting to 2,139,479 pence per unit free of tax, equivalent to 2.8d. per unit gross, on units of the Trust, payable to all unit holders of record up to and including October 16, 1936.

This first distribution, which represents a yield at the rate of £4 3s. 6d. per cent. per annum on the original price of 10s. per unit, is made in respect of income received by the Trust during the half-year March 17, 1936, to October 16, 1936.

The income return represented by this distribution, it is pointed out, substantially exceeds the yield originally estimated by the managers.

Aviation and Universal Investment Trust, whose portfolio consists of an extensive range of securities in the aviation and allied industries, is stated to be the only completely flexible trust which has yet been made available to the public. The directors of the management company, F.T.M., Ltd., include Lord Sempill, Sir Alfred Beit, Mr. G. A. Moncrieff, Sir Herbert Morgan, and Mr. Thomas Law.

Under the Pall

"A N air of masterly inactivity exists. The bustle of aircraft and attendants, the training of Air Force Reservists, instruction of private and commercial pilots, testing, research, and the dozen and one other aerial activities one would expect to see, are brought to a standstill. The reason? An east wind bringing the smoke from London and causing this beastly grey pall, which has reduced visibility to less than five hundred yards and washed out flying for the rest of the day."—Flt. Lt. H. M. Schofield, writing in the handbook and guide to the Smoke Abatement Exhibition. The exhibition is at present in progress at the Science Museum, South Kensington.

Aluminium from the Source

THERE may not seem to be much connection between Ben Nevis, Britain's highest mountain, and aeroplanes. Yet there is a not-so-very-remote one, for the British Aluminium Company—whose products are so well known in the aeronautical industry—has a big factory at Fort William, at the foot of the mountain. The amazing engineering feat of driving a 15-mile tunnel under the mountain range, in order to convey water from two specially dammed lochs to supply power for the works, forms the subject of an illustrated book recently issued by the company. Anyone who can respond to the romance of such an undertaking, and who has a rudimentary knowledge of civil engineering terms, will enjoy reading this notable publication.

Other brochures recently issued by the British Aluminium Company—whose address is Adelaide House, King William Street, London, E.C.4—include one entitled "Aluminium Foundry Data," and another called "Aluminium Jointing." The latter, which deals with the soldering, welding and riveting of aluminium, should be of particular interest to members of the aircraft industry.

NEW COMPANIES

In the notes below, for reasons of space, the "objects" of new companies are usually somewhat abbreviated.

AIRCRAFTINGS LTD.—Private company. Registered October 8. Capital £100 in 100 shares of £1. Objects: to carry on the business of manufacturers and repairers of and dealers in accessories and components for motor cars, lorries and motor cycles and vehicles of all kinds, aeroplanes, seaplanes, etc. The directors are: Charles L. Wood, mechanical engineer; Frank V. Brown, aircraft engineer. Registered office: 34, Highgate Square, Birmingham.

INCREASES OF CAPITAL

AIRCRAFT EXCHANGE AND MART LTD. 7, Park Lane, W.1. The nominal capital has been increased by the addition of £25,000 in £1 ordinary shares, beyond the registered capital of £25,000.

CHANGE OF NAME

ANDERSON AEROCARS LTD. (Aeroplane manufacturers, etc., 61, Crutched Friars, London, E.C.3).—Name changed to Deekay Aircraft Corporation Ltd., on October 3, 1936.

PUBLICATIONS RECEIVED

The Medical Examination for Fitness for Flying (Royal Air Force and Civil). Price 2s. H.M. Stationery Office, Adastral House, Kingsway, London, W.C.2.

The Journal of The Royal Air Force College, Cranwell, Lincolnshire. Vol. XVI, No. 2, Autumn, 1936.

Aeronautical Research Committee Reports and Memoranda. No. 1697: Full Scale Tests of Landing Flaps on a Percival Gull, by J. A. Serby and P. A. Hutton. Price 2s. H.M. Stationery Office, Adastral House, Kingsway, London, W.C.2.

Catalogue: Small Tools. English Steel Corporation, Ltd., Vickers Works, Sheffield.

Airplane Design—Performance, by E. P. Warner. Price 3s. McGraw-Hill Publishing Co., Ltd., Aldwych House, London, W.C.2.

The Modern Book of Aeroplanes, by W. H. McCormick. Price 5s. A. and C. Black Ltd., 4, Soho Square, London, W.1.

War Over England, by Air Comdr. L. E. O. Charlton. Price 12s. 6d. Longmans, Green and Co., Ltd., 39, Paternoster Row, London, E.C.4.

High Failure, by John Grierson. Price 12s. 6d. William Hodge and Co., Ltd., 86, Hatton Garden, London, E.C.1.

National Advisory Committee for Aeronautics. Report No. 557: Preliminary Tests in the N.A.C.A. Free-Spinning Wind Tunnel, by C. H. Zimmerman, price 10 cents; No. 561: Effect of Nozzle Design on Fuel Spray and Flame Formation in a High-Speed Compression-Ignition Engine, by A. M. Rothrock and C. D. Waldron, 10 cents. Superintendent of Documents, Washington, D.C., U.S.A.

Technical Report of the Aeronautical Research Committee for the Year 1934-1935. Vol. 1, Aerodynamics. Price 2/- postage extra. Vol. II, Seaplanes, Structures, Engines, Materials, etc. Price 2/- postage extra. H.M. Stationery Office (London, Edinburgh, Manchester, Cardiff or Belfast).

AERONAUTICAL PATENT SPECIFICATIONS

(The numbers in brackets are those under which the Specifications will be printed and abridged, etc.)

(Published October 22, 1936.)

- 8060. HARLEY, M. C.: Illuminating devices for aircraft and the like (458,940).
- 8537. BRISTOL AEROPLANE CO., LTD., FEEDEN, A. H. R., and ANDERSON, G. O.: Supercharged internal combustion engines for aircraft (454,154).
- 9081. PHILLIPIDES, S.: Aeroplanes (454,006).
- 9704. STEWART, C. J., and MEREDITH, F. W.: Aircraft and other craft or vehicles (454,266).
- 11917. DOWTY, G. H.: Tail wheels and the like for aircraft (454,279).
- 31731. GERIN, J.: Aircraft (454,193).
- 35309. ELECTRONMETALL GES.: Tail skids and tail wheels for aircraft (454,198).
- 10043. TINSSONNIER, G.: Aerial floating mines for defence against aeroplanes (454,078).